

WHAT IS CLAIMED IS:

1. A method for treating for-treatment water containing an organic matter and a nitrogen compound, comprising:

5 a first treatment step of immersing at least a pair of electrodes at least partially in the for-treatment water to treat the same by an electrochemical technique; and

10 a second treatment step of biochemically treating the for-treatment water after completion of the first treatment step.

2. A method for treating for-treatment water containing an organic matter and a nitrogen compound, comprising:

15 a first treatment step of adding electrolytic water in which hypohalogenous acid, ozone or active oxygen is generated, or hypohalogenous acid of a drug to the for-treatment water by an electrochemical technique; and

20 a second treatment step of biochemically treating the for-treatment water after completion of the first treatment step.

3. A method for treating for-treatment water containing an organic matter and a nitrogen compound, comprising:

25 a first treatment step of adding electrolytic water in which hypohalogenous acid, ozone or active oxygen is generated, or a hypohalogenous acid of a drug to the for-treatment water by an electrochemical technique, and

immersing at least a pair of electrodes at least partially in the for-treatment water to treat the same by an electrochemical technique; and

5 a second treatment step of biochemically treating the for-treatment water after completion of the first treatment step.

4. The method according to one of claims 1 to 3,

10 wherein the second treatment step uses a microbe to reduce nitrate nitrogen or nitrite nitrogen in the for-treatment water to nitrogen gas at least under anoxic conditions.

5. The method according to one of claims 1 to 4,

15 wherein the second treatment step uses granular sludge.

6. The method according to one of claims 1 to 4,

20 wherein the second treatment step uses a microbe carried by a carrier.

7. The method according to one of claims 1 to 6,

25 wherein BOD concentration of the organic matter in the for-treatment water treated in the second treatment step is set larger by 2.8 or more than concentration of the nitrate nitrogen therein.

8. The method according to one of claims 1 to 7,

wherein after completion of the second treatment step, a COD·BOD treatment step is carried out to reduce COD and BOD of a residual organic matter in the for-treatment water.

9. The method according to one of claims 1 to 8,

wherein each electrode used in the first treatment step is an insoluble conductive material capable of generating hypohalogenous acid, ozone or active oxygen.

10. The method according to claim 9,

wherein a noble metal or a conductive material coated with a noble metal is used as one of the electrodes which constitutes at least an anode.

11. The method according to claim 10,

wherein the conductive material coated with the noble metal is coated by plating of the noble metal.

12. The method according to one of claims 1 and 3 to 11,

wherein a VIII group of a periodic table or a conductive material containing a VIII group, alternatively a conductive material coated with the same group or a conductive material containing the same group is used as one of the electrodes which constitutes a cathode.

13. The method according to one of claims 1 and 3 to 12,
wherein in the first treatment step a polarity of
each of the electrodes is switched to treat the nitrogen
compound in the for-treatment water by an electrochemical
5 technique.

14. The method according to one of claims 1 to 13,
wherein before execution of the second treatment
step after execution of the first treatment step, an
10 available chlorine removal treatment step is carried out to
remove an available chlorine component from the for-
treatment water.

15. The method according to one of claims 1 to 14,
15 wherein a third treatment step is carried out to
filter the for-treatment water at a stage before the first
treatment stage, or between the first treatment step and
the second treatment step.

20 16. The method according to one of claims 1 to 15,
wherein the for-treatment water is organic waste
water.